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APPLICATION,NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/709,957	06/09/2004	Masuhiro Natsuhara	039.9016	3956
29453	7590 05/10/2007	EXAMINER		
JUDGE & MURAKAMI IP ASSOCIATES DOJIMIA BUILDING, 7TH FLOOR 6-8 NISHITEMMA 2-CHOME, KITA-KU OSAKA-SHI, 530-0047			KACKAR, RAM N	
			ART UNIT	PAPER NUMBER
JAPAN	330 00 17		1763	
		•	MAIL DATE	DELIVERY MODE
			05/10/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

8

	Application No.	Applicant(s)				
	10/709,957	NATSUHARA ET AL.				
Office Action Summary	Examiner	Art Unit				
	Ram N. Kackar	1763				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 16(a). In no event, however, may a reply be tirr iill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	I. nely filed the mailing date of this communication. D. (35 U.S.C. & 133)				
Status						
1) Responsive to communication(s) filed on 07 Ma	Responsive to communication(s) filed on <u>07 March 2007</u> .					
2a)⊠ This action is FINAL . 2b)⊠ This	action is non-final.					
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims						
4)⊠ Claim(s) <u>1-9 and 13</u> is/are pending in the application.						
4a) Of the above claim(s) is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.						
6)⊠ Claim(s) <u>1-9 and 13</u> is/are rejected.	,					
	7) Claim(s) is/are objected to.					
8) Claim(s) are subject to restriction and/or election requirement.						
Application Papers	•					
9)☐ The specification is objected to by the Examiner.						
10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority under 35 U.S.C. § 119						
12)⊠ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).						
a)⊠ All b)□ Some * c)□ None of:						
1.⊠ Certified copies of the priority documents have been received.						
2. Certified copies of the priority documents have been received in Application No						
3. Copies of the certified copies of the priority documents have been received in this National Stage						
application from the International Bureau (PCT Rule 17.2(a)).						
* See the attached detailed Office action for a list of the certified copies not received.						
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Attachment(s)						
1) Notice of References Cited (PTO-892)	4) Interview Summary (PTO-413)				
2) Notice of Draftsperson's Patent Drawing Review (PTO-948) Paper No(s)/Mail Date						
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 111412007	5) Notice of Informal Pa	tent Application (PTO-152)				
S. Patent and Trademark Office	-,					

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 3/7/2007 has been entered.

Claim Rejections - 35 USC § 112

- 2. The following is a quotation of the first paragraph of 35 U.S.C. 112:
 - The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.
- 3. Claims 1-9 and 13 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention. The new limitation of the cross-section being trapezoidal is a new matter. The specification does not point to any significance to a certain shape as long as b>a.
- 4. The new limitations of (b-a) being in the range from 50µm to 35 mm in claim 2 and being in the range from 10mm to 30 mm in claim 9 is new matter. The specification does not attribute any special significance to (b-a) being minimum 50µm.

Application/Control Number: 10/709,957

Art Unit: 1763

Claim Rejections - 35 USC § 102

5. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 6. Claims 1-9 and 13 are rejected under 35 U.S.C. 102(b) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over Aruga et al (US 5688331).

Aruga et al disclose a wafer holder for semiconductor manufacturing equipment (Fig 6-39) with a diameter of the wafer-carrying surface clearly smaller (more than 50µm) than the diameter of the opposite side. The wafer holder is disclosed to be of ceramic (abstract) with embedded heating element (43). Aruga discloses the diameter gradually expanding (Col 5 lines 10-15).

7. Claims 1-9 and 13 are rejected under 35 U.S.C. 102(b) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over Koichi Nagasaki (JP 09045758).

Koichi Nagasaki discloses a wafer holder for semiconductor manufacturing equipment (Fig 1) with a diameter of the wafer-carrying surface clearly smaller than the diameter of the opposite side. The wafer holder is disclosed to be of ceramic (abstract) adapted for heating element (Paragraph 1). Koichi Nagasaki discloses the diameter gradually expanding and the difference b-a could be in a range of 3-24mm (calculating by thickness and angle range disclosed).

Page 3

Application/Control Number: 10/709,957

Art Unit: 1763

Response to Arguments

Page 4

Applicant's arguments filed 3/7/2007 have been fully considered but they are not

persuasive.

Applicants argument that for a given (b-a) a trapezoidal configuration provides lowest

lateral surface area is not persuasive since the specification is silent about this conclusion. In fact

specification does not provide any significance to shape as long as b>a.

Conclusion

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Ram N. Kackar whose telephone number is 571 272 1436. The

examiner can normally be reached on M-F 8:00 A.M to 5:P.M.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Parviz Hassanzadeh can be reached on 571 272 1435. The fax phone number for the

organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Ram Kackar

Primary Examiner AU 1763